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Sara D. Vinarov

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Sean P. Palecek
Juan J. de Pablo
Lin Ji

Date: August 22 2007

Serial No.: 10/717,677

Group Art Unit: 1651

Filed: 11/19/2003

Examiner: Taeyoon Kim

Title: METHOD OF REDUCING
CELL DIFFERENTIATION

File No.: 960296.00101

Confirmation No.: 9323

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
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Dear Sir:

Enclosed is a completed Form PTO-1449 listing additional documents that the applicants in the above-identified application wish to bring to the attention of the Examiner for consideration in connection with the examination on the merits of this application.

A fee in the amount of \$180.00 is believed to be due, please charge the fee to Deposit Account No. 17-0055.

Respectfully submitted,

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/717,677
Filing Date	11/19/2003
First Named Inventor	Sean P. Palecek
Art Unit	1651
Examiner Name	Taeyoon Kim
Attorney Docket Number	960296.00101

Sheet 1 of 1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ALTMAN, G.H., et al., "Cell differentiation by mechanical stress," FASEB Journal 16:270-272 (2001)	
		BIRUKOV, K.G., et al., "Stretch affects phenotype and proliferation of vascular smooth muscle cells," Molecular and Cellular Biochemistry 144:131-139 (1995)	
		CHIEN, S., et al., "Effects of Mechanical Forces on Signal Transduction and Gene Expression in Endothelial Cells," Hypertension 31:162-169 (1997)	
		DI PALMA, F., et al., "Physiological strains induce differentiation in human osteoblasts cultured on orthopaedic biomaterial," Biomaterials 24:3139-3151 (2003)	
		KAWATA, A., et al., "Mechanotransduction in Stretched Osteocytes-Temporal Expression of Immediate ...," Biochem. Biophys. Res. Commun. 246:404-408 (1998)	
		PARK, J.S., et al., "Differential Effects of Equiaxial and Uniaxial Strain on Mesenchymal Stem Cells," Biotechnology and Bioengineering 88:359-368 (2004)	
		SANCHEZ-ESTEBAN, J., et al., "Mechanical stretch promotes alveolar epithelial type II cell differentiation," J. Appl Physiol. 91:589-595 (2001)	
		SEKO, Y., et al., "Pulsatile Stretch Stimulates Vascular Endothelial Growth Factor (VEGF) Secretion ...," Biochem. Biophys. Res. Commun. 254:462-465 (1999)	
		ZOU, Y., et al., "Signal transduction in arteriosclerosis: Mechanical stress-activated MAP kinases in vascular smooth muscle cells (Review)," Int. J. Mol. Med. 1:827-834 (1998)	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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